

AMENDMENTS TO THE SPECIFICATION

Please amend Table 5 on page 64 as follows:

TABLE 5: PCR Primers

SNP Reference	Forward PCR primer	SEQ ID NO.	Reverse PCR primer	SEQ ID NO.
rs1374297	ATACCTGTGGCGTACACATG	4	AAAAGGTAGGCCTCACTTGC	5

Please amend Table 6 on page 64 as follows:

TABLE 6: Extension Primers

SNP Reference	Extend Probe	SEQ ID NO.	Termination Mix
rs1374297	CTGTGGCGTACACATGAAACTG	6	ACT

Please amend Table 10 on pages 67-69 as follows:

TABLE 10

dbSNP rs#	Forward PCR primer	Reverse PCR primer
48390	ACGTTGGATGACAAACGGGGAAACTC CTT (SEQ ID NO: 7)	ACGTTGGATGAATGATTCAGTTTCTTCA GAGTGGT (SEQ ID NO: 8)
63184	ACGTTGGATGTTCAATATGATGTGCCTG TAAACC (SEQ ID NO: 9)	ACGTTGGATGTGACCTTTCTAAAATCAAA CATTCA (SEQ ID NO: 10)
720131	ACGTTGGATGTGGATTCATTCCATGCG AGC (SEQ ID NO: 11)	ACGTTGGATGGCAAGTGCATGGACAATG AG (SEQ ID NO: 12)
720132	ACGTTGGATGGAGAATGCATAGTCTAT CTG (SEQ ID NO: 13)	ACGTTGGATGACCCTAGACACTCCTTAC TC (SEQ ID NO: 14)
102040	ACGTTGGATGCACTGGTTAATTGCTGTT TC (SEQ ID NO: 15)	ACGTTGGATGAGCATGTGTCAACTAAGA GG (SEQ ID NO: 16)
105083	ACGTTGGATGATAGATGAGTCAGCTAT GCC (SEQ ID NO: 17)	ACGTTGGATGTACTTACAGGCATCACAG GC (SEQ ID NO: 18)
106354	ACGTTGGATGCCAGAGTTAGAACTTCT GCC (SEQ ID NO: 19)	ACGTTGGATGGCATCTTCATCCTCTTCC TC (SEQ ID NO: 20)
134879	ACGTTGGATGAGTGAAATTTCCATGCC CTC (SEQ ID NO: 21)	ACGTTGGATGGTGTTCAGAAAGGCTTCT GG (SEQ ID NO: 22)
134879	ACGTTGGATGAATAGGATTAAGTAAGAA GC (SEQ ID NO: 23)	ACGTTGGATGCTCAGCTACAGAGGTAAT AG (SEQ ID NO: 24)
134879	ACGTTGGATGTTGAGAAACCTTCTCCT GCC (SEQ ID NO: 25)	ACGTTGGATGCTTAAATTGGGTGTAAAT GCC (SEQ ID NO: 26)
134879	ACGTTGGATGTTGCCATGTGACACACC TGC (SEQ ID NO: 27)	ACGTTGGATGAAAGCACCAGCATCTGCT TC (SEQ ID NO: 28)
135757	ACGTTGGATGCCCTGAGAAGTTTAAGC	ACGTTGGATGGCAAGGTAAGAGGATACA

dbSNP rs#	Forward PCR primer	Reverse PCR primer
2	TTG (SEQ ID NO: 29)	AG (SEQ ID NO: 30)
137429	ACGTTGGATGTGTAAGATGCACGAGGA	ACGTTGGATGACACCTGTCGACTAACTT
5	CAG (SEQ ID NO: 31)	TC (SEQ ID NO: 32)
137429	ACGTTGGATGAATTCCACAGCCAGACA	ACGTTGGATGTGAGTATCAAGCTGTTTG
6	CAC (SEQ ID NO: 33)	AC (SEQ ID NO: 34)
137429	ACGTTGGATGTTTTGCACTTAACCTGG	ACGTTGGATGCAGTACAACCTTTAAACAA
8	AG (SEQ ID NO: 35)	G (SEQ ID NO: 36)
146602	ACGTTGGATGAATGGAGTCTGAAGGCC	ACGTTGGATGGTTTTGGTTTAATTCCTG
9	ATG (SEQ ID NO: 37)	AG (SEQ ID NO: 38)
183883	ACGTTGGATGGGAACCAACAATAAGACC	ACGTTGGATGTGTGATGCCTCCAGCTTT
9	AAG (SEQ ID NO: 39)	AT (SEQ ID NO: 40)
205372	ACGTTGGATGAACCATCACCCATACTGT	ACGTTGGATGTACTGAGCCTTGAAGGAT
8	CC (SEQ ID NO: 41)	GC (SEQ ID NO: 42)
137429	ACGTTGGATGATACCTGTGGCGTACAC	ACGTTGGATGAAAAGGTAGGCCTCACTT
7	ATG (SEQ ID NO: 43)	GC (SEQ ID NO: 44)
224198	ACGTTGGATGGCAGGGAAATGCATTGG	ACGTTGGATGACTATCTACCCTGCCAGT
1	ATC (SEQ ID NO: 45)	TC (SEQ ID NO: 46)
224198	ACGTTGGATGGGAAAGGGGATCTTAAA	ACGTTGGATGAACTGGCAGGGTAGATA
2	AGG (SEQ ID NO: 47)	GTC (SEQ ID NO: 48)
228993	ACGTTGGATGCAAAGTCCTCTATGTGC	ACGTTGGATGAGTGTGTGTAGATAGCAT
8	AAG (SEQ ID NO: 49)	CC (SEQ ID NO: 50)
231738	ACGTTGGATGGCGGCGACTGATTGTGC	ACGTTGGATGTCTCCTGATCCATGGGTT
3	TAC (SEQ ID NO: 51)	GC (SEQ ID NO: 52)
292173	ACGTTGGATGTTGGGATTACAGGTGTG	ACGTTGGATGCTGGGTAGTGAAATTGG
4	AGC (SEQ ID NO: 53)	GTG (SEQ ID NO: 54)
292173	ACGTTGGATGGCAAGCTCACATGCGTG	ACGTTGGATGGACTATTCTGTAGTCTGT
5	TAG (SEQ ID NO: 55)	GTG (SEQ ID NO: 56)
292173	ACGTTGGATGGATGAGTAGAGTTGAGT	ACGTTGGATGGCTCAGGGCAAGAAAGA
7	TCC (SEQ ID NO: 57)	ATC (SEQ ID NO: 58)
292173	ACGTTGGATGGTCAAGCTCAAGAGTGG	ACGTTGGATGTTTAACCCACATAGCAG
8	AAG (SEQ ID NO: 59)	CC (SEQ ID NO: 60)
292173	ACGTTGGATGTCCCATCTCACAAAGCA	ACGTTGGATGAAGTGAGCAACTGAGTCC
9	ACC (SEQ ID NO: 61)	TC (SEQ ID NO: 62)
292174	ACGTTGGATGTGCTTGCATCAGAGTGT	ACGTTGGATGTTTGCCAAAATCTCTTGT
5	TTC (SEQ ID NO: 63)	GC (SEQ ID NO: 64)
292174	ACGTTGGATGCACTAGAGGAAAACCTA	ACGTTGGATGTAGACACAAAGTCCTTGC
8	GGC (SEQ ID NO: 65)	CC (SEQ ID NO: 66)
292175	ACGTTGGATGAGGCCAAGATTGGTTTT	ACGTTGGATGTCGCTGAATCCCATGAAG
0	GAC (SEQ ID NO: 67)	AC (SEQ ID NO: 68)
292175	ACGTTGGATGAGAGAGGAAGGAGGAG	ACGTTGGATGCTCAGAGTGGTAGGAAAT
5	AAAC (SEQ ID NO: 69)	CC (SEQ ID NO: 70)
292177	ACGTTGGATGCAAATGAAGTTGGAGAG	ACGTTGGATGACTTTGCATTGCTAACTTT
1	AGC (SEQ ID NO: 71)	C (SEQ ID NO: 72)
292178	ACGTTGGATGGCAAGCAACTGTATCCT	ACGTTGGATGGATCACTTGGTGGATCTT
2	AAAC (SEQ ID NO: 73)	AC (SEQ ID NO: 74)
292178	ACGTTGGATGGTGTACTGTAGCTAAA	ACGTTGGATGTATCTTTGAAGGGTTTCT
4	CACA (SEQ ID NO: 75)	CG (SEQ ID NO: 76)
292178	ACGTTGGATGAACTGGAGTCTGCCAAC	ACGTTGGATGCAGTAGAACTGTTTAAG
5	CAC (SEQ ID NO: 77)	GC (SEQ ID NO: 78)
292178	ACGTTGGATGGGAGAAGGAAATGATGG	ACGTTGGATGCTGTTTATGCTGGAATAA

dbSNP rs#	Forward PCR primer	Reverse PCR primer
7	TGG (SEQ ID NO: 79)	CC (SEQ ID NO: 80)
2921790	ACGTTGGATGTTTGCTGCCGTGAGACA TTC (SEQ ID NO: 81)	ACGTTGGATGCTACTAAAGCTTCTGTAA GG (SEQ ID NO: 82)
3020111	ACGTTGGATGTTCTGTTTTTTGGCCTG TC (SEQ ID NO: 83)	ACGTTGGATGCTATGACAGATGACTGTG AC (SEQ ID NO: 84)
3020117	ACGTTGGATGATTGTTTTTAAGAGGCG GG (SEQ ID NO: 85)	ACGTTGGATGGTGCTATAATCCAGCCTG TG (SEQ ID NO: 86)
3020125	ACGTTGGATGCAGTTTGTCTGGTGAG ATC (SEQ ID NO: 87)	ACGTTGGATGCTTATCCCAGTAAGCATA CC (SEQ ID NO: 88)
3020130	ACGTTGGATGAGACAGTTGACAAAGCC TGG (SEQ ID NO: 89)	ACGTTGGATGTCTCTGAATCTAATGTTC CC (SEQ ID NO: 90)
3020131	ACGTTGGATGGTTGTACTGTACAATTGT CCC (SEQ ID NO: 91)	ACGTTGGATGAAGCGACTTGAGCATTCTG TG (SEQ ID NO: 92)
3020132	ACGTTGGATGTGGTGTACATTTATGTCC CG (SEQ ID NO: 93)	ACGTTGGATGTGAGGCCTACCTTTTTGT AC (SEQ ID NO: 94)
3020138	ACGTTGGATGGTTGAGCATCTTTTCATG TG (SEQ ID NO: 95)	ACGTTGGATGTGGGCAAAGGACTTGCAT AG (SEQ ID NO: 96)
3020139	ACGTTGGATGGTAATCACACTGCTACC CTG (SEQ ID NO: 97)	ACGTTGGATGGATTTGTGATTCTTTGAG GG (SEQ ID NO: 98)
3020141	ACGTTGGATGGTGTAGGAAATGGGATT ACAG (SEQ ID NO: 99)	ACGTTGGATGTATCAAGCCTCGGGTATT CC (SEQ ID NO: 100)
3020152	ACGTTGGATGCAAAGTCATCTGTCCTAA CC (SEQ ID NO: 101)	ACGTTGGATGCAGGTACTCAATAGATGT GG (SEQ ID NO: 102)
3020156	ACGTTGGATGGTATTCCACATAAGTACT CCC (SEQ ID NO: 103)	ACGTTGGATGACAGAAAGCATTTAACAG GG (SEQ ID NO: 104)
3020160	ACGTTGGATGACCTAAAAGACCTGCCA CAC (SEQ ID NO: 105)	ACGTTGGATGCCTCATGAATTACCTTCT TC (SEQ ID NO: 106)
3020161	ACGTTGGATGTGCCTCTTCTCCTCCAAA TG (SEQ ID NO: 107)	ACGTTGGATGAGGAACCTGTGCAACTGT AG (SEQ ID NO: 108)
3020163	ACGTTGGATGAACCAAAGATTCTCTGC TG (SEQ ID NO: 109)	ACGTTGGATGATCCCCCAAGCTTGTTAC AG (SEQ ID NO: 110)
3020164	ACGTTGGATGGTGATTGGTTCAGGTAT GGG (SEQ ID NO: 111)	ACGTTGGATGAAACTTGCCCCAGAATCC AC (SEQ ID NO: 112)
3020167	ACGTTGGATGGACCTATACAGGGCACT TAC (SEQ ID NO: 113)	ACGTTGGATGCTCACTACTCACACACTG AC (SEQ ID NO: 114)
3020168	ACGTTGGATGTGGAATGTCACCCATGT GAG (SEQ ID NO: 115)	ACGTTGGATGACCTGATTTTGAGTCAGT GC (SEQ ID NO: 116)
3020169	ACGTTGGATGGAGGAACAGTCAATGAA GGC (SEQ ID NO: 117)	ACGTTGGATGAGCATGTGTCAACTAAGA GG (SEQ ID NO: 118)
3020181	ACGTTGGATGTTGGCCCTTGCGTCATT TTG (SEQ ID NO: 119)	ACGTTGGATGCCAACCACCATTCAGAAG AG (SEQ ID NO: 120)
3816342	ACGTTGGATGCCTACTTCTCTCCCTATA TG (SEQ ID NO: 121)	ACGTTGGATGAATGTTGGGACTCCTCGC AG (SEQ ID NO: 122)

Please amend Table 11 on pages 69-70 as follows:

TABLE 11

dbSNP rs#	Extend Primer	SEQ ID NO.	Term Mix
48390	AGGCACATCATATTGAAT	<u>123</u>	ACT
63184	AAACCAAGGAGTTTTCCC	<u>124</u>	ACG
720131	GAGCTAACTTGGCCTCC	<u>125</u>	ACT
720132	TATCCTAATTTCTTGAGCA C	<u>126</u>	ACT
1020405	CCATTCAATTTGTAAAATTC G	<u>127</u>	CGT
1050838	GGAGTTAAGCGAAAAGC	<u>128</u>	ACG
1063547	CCAGAAAAAGAGAAGGA	<u>129</u>	ACT
1348795	CCCTCCAGACACCTCCAC	<u>130</u>	ACT
1348796	AACTAAGAAGCAATAAGGAG AA	<u>131</u>	ACG
1348798	CAAAATTCTATAGACTCGCA C	<u>132</u>	CGT
1348799	CCCCCTTTGCCTTCCACC	<u>133</u>	CGT
1357572	TTCCCCCAAGAAATCAACCC	<u>134</u>	ACT
1374295	CGAGGACAGAGACTGTA	<u>135</u>	CGT
1374296	AGACACACTGCCCCCCC	<u>136</u>	CGT
1374298	CTGGAGATTTTCCATGTTAG	<u>137</u>	ACT
1466029	GAAGGCCATGTGAGTATT	<u>138</u>	ACG
1838839	GACCAAGAATAGCCAAAG	<u>139</u>	ACG
2053728	CTTGCCACTCTCCTTTC	<u>140</u>	ACT
1374297	CTGTGGCGTACACATGAAAC TG	<u>141</u>	ACT
2241981	GCCTCCTGTCTTTCCAGAG	<u>142</u>	ACT
2241982	ACAAGTCCTACCCTCAG	<u>143</u>	ACG
2289938	TTTGGCTGAAAGTATGCTTC TATA	<u>144</u>	ACG
2317383	CGCCTGGGAAACCATGCTT	<u>145</u>	ACG
2921734	GTGTGAGCCACTGTGCC	<u>146</u>	ACG
2921735	ACCCCCCAAATGTTTA	<u>147</u>	ACG
2921737	AGTTGAGTTCCTTATAAAGA AA	<u>148</u>	ACG
2921738	ACTTATTGGCCTCTTAAAC	<u>149</u>	ACT
2921739	CCTCAGTGAATTAATACTCA TCA	<u>150</u>	ACT
2921745	TCAGAGTGTTTCTGATTTAA A	<u>151</u>	ACG
2921748	GAAAACCTAGGCAATACCA	<u>152</u>	ACG
2921750	CAGTTCACCTCGTTGATTTA	<u>153</u>	CGT
2921755	AGGAGAAACAGGAAAGTAC AG	<u>154</u>	ACT
2921771	AGAGGATGAATAGGCCC	<u>155</u>	ACT

dbSNP rs#	Extend Primer	SEQ ID NO.	Term Mix
2921782	AAGCTTCTAGAATACTATCT GT	<u>156</u>	ACT
2921784	TTTTCTAAATCTACATGCTTT GTT	<u>157</u>	CGT
2921785	CCACACCACCATCTAAG	<u>158</u>	CGT
2921787	GGTGGAATATTAGGTATGTG	<u>159</u>	ACT
2921790	CATTCAAGACTCTCAGAG	<u>160</u>	CGT
3020111	TTGGCCTGTCTACTGAT	<u>161</u>	ACT
3020117	TCTCTGCTGTGTTATCCA	<u>162</u>	ACT
3020125	CATACCAGTTTGCACTGC	<u>163</u>	ACG
3020130	AAGCCTGGTTTTTTTTCTTT G	<u>164</u>	CGT
3020131	AAGGGGAATTGGTTCCAG	<u>165</u>	ACT
3020132	TTTATGTCCCGAGTTAAAAT AT	<u>166</u>	ACT
3020138	TTTCATGTGCTTATTGGCC	<u>167</u>	ACT
3020139	TCCTCATAAACCATCTTTTT	<u>168</u>	ACT
3020141	ATGGGATTACAGAAAATTGA C	<u>169</u>	ACT
3020152	TGTCCTAACCACTACAC	<u>170</u>	ACT
3020156	TAGAATTCAAACAAGTGGT AA	<u>171</u>	ACT
3020160	CAAAATGATAACACATCAAT GTA	<u>172</u>	CGT
3020161	TCCAAATGATCTCAACACCT	<u>173</u>	ACG
3020163	TCTCTGCTGAAGTTGCT	<u>174</u>	ACT
3020164	GATCCAATTCTGGCCAATTA AAT	<u>175</u>	ACT
3020167	GCGGCAGGACTGGAACG	<u>176</u>	ACG
3020168	AGGGAAAAGAAGACAAATTA AGAC	<u>177</u>	ACG
3020169	AAAAAAAAAACACAAAACAC TG	<u>178</u>	ACT
3020181	CAAATTTTTGTTGAATGCC	<u>179</u>	ACG
3816342	CTCTCCCTATATGCAATCA	<u>180</u>	ACG

Please amend Table 13 on page 74 as follows:

TABLE 13

Primer Name	Primer Sequence	<u>SEQ ID NO.</u>
<i>RAD21F13</i>	CTTGGGGTGCTGTTTTCT	<u>181</u>
<i>RAD21R13</i>	ATTGCCACAGGGAGTGAT	<u>182</u>
<i>RAD21F12</i>	CTCTCCCTCCAGAAAAATA	<u>183</u>
<i>RAD21R12</i>	CTCAGCAGCATTAAGTACAGT	<u>184</u>
<i>RAD21F11</i>	GAGTTACAGCGAAGCATAA	<u>185</u>
<i>RAD21R11</i>	TCCTTGTGGGGAAGTATAG	<u>186</u>
<i>RAD21F10</i>	TGGAGCACTCTAAAGCAATAC	<u>187</u>
<i>RAD21R10</i>	ATCCCCTTTCCCCTTTAC	<u>188</u>
<i>RAD21F9</i>	AAGACAGGAGGCTTCATACT	<u>189</u>
<i>RAD21R9</i>	CCTTTGGAAGATAGAAATCAG T	<u>190</u>
<i>RAD21F8</i>	AAAGAAAATGTGCCATACAG	<u>191</u>
<i>RAD21R8</i>	TGCGTCATTTTGCTTATTT	<u>192</u>
<i>RAD21F7</i>	AAAAAAGCAAGAAGCCTAGT	<u>193</u>
<i>RAD21R7</i>	TTTCTCCTCCCCATTTGT	<u>194</u>
<i>RAD21F6</i>	TACAATCATCCCCAGAATC	<u>195</u>
<i>RAD21R6</i>	CTGGAGGAGAAACAGATAAA	<u>196</u>
<i>RAD21F5</i>	CCGAAATGTCCTATTGAAC	<u>197</u>
<i>RAD21R5</i>	TGCCCCAGTGTTGTAAC	<u>198</u>
<i>RAD21F4</i>	ACTCCTCGCAGAAATCAA	<u>199</u>
<i>RAD21R4</i>	CTTGATTGTACTGGAATGTG	<u>200</u>
<i>RAD21F3</i>	ACAAGCGTATCTGTTTCAGT	<u>201</u>
<i>RAD21R3</i>	TACCTACTTATCTCCCTCTGAT	<u>202</u>
<i>RAD21F2</i>	TGAAGGGTTCCTCGTATT	<u>203</u>
<i>RAD21R2</i>	ATTTCCAGTCACTCTGTCTT	<u>204</u>
<i>RAD21F1</i>	CTGATGCTTATTTGCCATTA	<u>205</u>
<i>RAD21R1</i>	TTCCCCTCTTAGGTTTTCTT	<u>206</u>
<i>RAD21PRO F1</i>	CTTTCTATCGCTTTGAATACA	<u>207</u>
<i>RAD21PRO R1</i>	ACACAGAACCCTTTGAGAA	<u>208</u>

Please amend Table 15 on page 75 as follows:

TABLE 15

dbSNP rs#	Forward PCR primer	Reverse PCR primer
rs1050838	ACGTTGGATGACCTCTTCCTCTTCA TCATC (SEQ ID NO: 209)	ACGTTGGATGACCAGAGTTAGAACTT CTGC (SEQ ID NO: 210)
rs1050838a dj	ACGTTGGATGTACTTACAGGCATCA CAGGC (SEQ ID NO: 211)	ACGTTGGATGAGATGAGTCAGCTATG CCTC (SEQ ID NO: 212)
rs1063547	ACGTTGGATGAGATGAGTCAGCTAT GCCTC (SEQ ID NO: 213)	ACGTTGGATGTACTTACAGGCATCACA GGC (SEQ ID NO: 214)
rs3816342	ACGTTGGATGATCACCACCTTCAATG TTGGG (SEQ ID NO: 215)	ACGTTGGATGCCTACTTCTCTCCCTAT ATG (SEQ ID NO: 216)
rs1804043	ACGTTGGATGTGTTCTCAGTAAAG AGGGC (SEQ ID NO: 217)	ACGTTGGATGACACATGGGCTTTGGT TAGC (SEQ ID NO: 218)
RAD_1101 2	ACGTTGGATGGAAGTCTTACTTCAA ATGTT (SEQ ID NO: 219)	ACGTTGGATGGAGTCATTTTAAAAAAT TCAG (SEQ ID NO: 220)
RAD_1995 1	ACGTTGGATGATTGGAGTGCAAGGA AAATC (SEQ ID NO: 221)	ACGTTGGATGCATATCAAGTCTATCTA GAGG (SEQ ID NO: 222)

Please amend Table 16 on page 76 as follows:

TABLE 16

dbSNP rs#	Extend Primer	SEQ ID NO.	Term Mix
rs1050838	CTTCTGCCAGAAAAAGAGAAG GA	<u>223</u>	ACG
rs1050838adj	CTCAGGGAGTTAAGCGAAAA G	<u>224</u>	ACG
rs1063547	ACAGGCTCTGGGTCAATTTG TCC	<u>225</u>	ACT
rs3816342	TCTCTCCCTATATGCAATCA GCTTTGGTTAGCTTCTTATC	<u>226</u>	ACG
rs1804043	C	<u>227</u>	ACC
RAD_11012	ATTCAGATGCTAAAGAATT	<u>228</u>	CGT
RAD_19951	TAGAGGTGATAAGGACTTCA	<u>229</u>	ACG

Please amend paragraph 237 on page 78 as follows:

[0237] A cumulative mRNA expression profile was determined for *RAD21* using a panel of 56 cells and tissues that represent a plurality of cells from different human tissue types. Specifically, RT-PCR was performed in cDNA made from 56 cell lines and 11 normal tissue samples using the following primers: forward, which spanned exons 8 and 9- CAATGCCAACCATGACTGAT (SEQ ID NO: 230) and CGGTGTAAGACAGCGTGTA AAA (SEQ ID NO: 231). The cDNA samples represent a variety of tissue types throughout the human body. The PCR reactions were done in a final volume of 10 µl using Hotstar Taq™ from Qiagen, Inc. Half of the PCR reaction was loaded on a 2% agarose gel to resolve the resulting product. From the expression profiling described above, RAD21 expression was found to be high and ubiquitous (see Figure 5).

Please amend Table 23 on page 79 as follows:

TABLE 23

siRNA	siRNA Target	Sequence Specificity	<u>SEQ ID NO.</u>
siRAD21_272	<i>RAD21</i>	AAGCCCAUGUGUUCGAGUGUA	<u>232</u>
siRAD21_1175	<i>RAD21</i>	AAGAGUUGGAUAGCAAGACAA	<u>233</u>
siRAD21_1175 S	Non-homologous scrambled control	AAGACAGAUACGAUGAUGAGA	<u>234</u>